

## Water-Data Report NV-2005

**13174500 OWYHEE RIVER NEAR GOLD CREEK, NV**

MIDDLE SNAKE RIVER BASIN-BOISE, UPPER OWYHEE RIVER BASIN

LOCATION.--Lat 41°41'20", long 115°50'38" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.25, T.44 N., R.54 E., Elko County, Hydrologic Unit 17050104, in Humboldt National Forest, on left bank, 500 ft downstream from Wild Horse Dam, 0.1 mi upstream from Beaver Creek, 8 mi west of Gold Creek, and 12 mi southeast of Mountain City.

DRAINAGE AREA.--209 mi<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

PERIOD OF RECORD.--Apr to Oct 1916, Apr 1917 to Sep 1925, Oct 1936 to current year.

REVISED RECORDS.--WSP 1317: 1939-42 (M).

GAGE.--Water-stage recorder. Datum of gage is 6,118.75 ft, Bureau of Reclamation datum. Prior to Oct 1, 1936, at site 0.3 mi upstream at different datum. Nov 17, 1936, to Oct 18, 1967, at site 0.1 mi upstream at different datum. Oct 19, 1967, to Sep 30, 1971, temporary gage, 250 ft downstream at different datum, while new dam was being constructed 300 ft downstream from old dam.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Small diversions for irrigation above station. Flow regulated by Wild Horse Reservoir (station 13174000), capacity, 71,660 acre-ft, 0.1 mi upstream beginning Mar 18, 1938.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,810 ft<sup>3</sup>/s, May 5, 1922, gage height, 10.11 ft, site and datum then in use; no flow many days, some years, due to gate regulation on reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 114 ft<sup>3</sup>/s, Sep 2, gage height, 1.85 ft; minimum daily discharge, e0.10 ft<sup>3</sup>/s, on many days.

## 13174500 Owyhee River Near Gold Creek, NV—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**  
[*e*, estimated]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	3.7	2.5	e0.10	e0.10	2.4	e0.10	e0.10	e0.10	e0.10	34	98	107
<b>2</b>	3.7	2.5	e0.10	e0.10	2.4	e0.10	e0.10	e0.10	e0.10	34	97	76
<b>3</b>	3.6	2.4	e0.10	e1.5	2.4	e0.10	e0.10	e0.10	e0.10	35	96	25
<b>4</b>	3.8	2.4	e0.10	e2.2	2.4	e0.10	e0.10	e0.10	e0.10	35	97	25
<b>5</b>	3.5	2.4	e0.10	e2.4	2.4	e0.10	e0.10	e0.10	e0.10	35	97	25
<b>6</b>	4.5	2.4	e0.10	e2.4	2.4	e0.10	e0.10	e0.10	e0.10	35	98	26
<b>7</b>	3.3	2.4	e0.10	e2.4	e1.1	e0.10	e0.10	e0.10	e0.10	35	98	25
<b>8</b>	3.2	2.4	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	e0.10	35	98	25
<b>9</b>	3.2	2.4	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	e0.10	35	98	25
<b>10</b>	3.2	2.4	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	e0.10	35	98	25
<b>11</b>	3.2	2.4	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	e0.10	35	98	25
<b>12</b>	e3.0	e2.4	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	e0.10	41	98	25
<b>13</b>	e3.0	2.4	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	e0.10	49	98	26
<b>14</b>	3.2	2.4	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	e0.10	69	99	25
<b>15</b>	e3.0	2.4	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	e0.10	67	99	20
<b>16</b>	e2.9	e0.10	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	e0.10	66	99	20
<b>17</b>	3.1	e0.10	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	e0.10	65	99	20
<b>18</b>	3.1	e0.10	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	e0.10	64	99	20
<b>19</b>	3.0	e0.10	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	e0.10	64	100	20
<b>20</b>	3.0	e0.10	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	e1.0	64	100	20
<b>21</b>	3.0	e0.10	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	14	63	99	20
<b>22</b>	2.9	e0.10	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	35	64	99	20
<b>23</b>	2.9	e0.10	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	35	65	101	21
<b>24</b>	2.9	e0.10	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	35	64	101	21
<b>25</b>	2.9	e0.10	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	35	64	102	21
<b>26</b>	e2.9	e0.10	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	35	63	104	20
<b>27</b>	e2.8	e0.10	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	34	75	104	20
<b>28</b>	2.7	e0.10	e0.10	e2.4	e0.10	e0.10	e0.10	e0.10	34	97	104	20
<b>29</b>	2.7	e0.10	e0.10	e2.4	---	e0.10	e0.10	e0.10	34	98	105	20
<b>30</b>	2.7	e0.10	e0.10	e2.4	---	e0.10	e0.10	e0.10	34	97	105	20
<b>31</b>	2.6	---	e0.10	e2.4	---	e0.10	---	e0.10	---	97	106	---
<b>Total</b>	97.2	37.70	3.10	68.70	17.60	3.10	3.00	3.10	327.90	1,779	3,094	808
<b>Mean</b>	3.14	1.26	0.10	2.22	0.63	0.10	0.10	0.10	10.9	57.4	99.8	26.9
<b>Max</b>	4.5	2.5	0.10	2.4	2.4	0.10	0.10	0.10	35	98	106	107
<b>Min</b>	2.6	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	34	96	20
<b>Ac-ft</b>	193	75	6.1	136	35	6.1	6.0	6.1	650	3,530	6,140	1,600

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2005, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	11.9	4.33	3.39	4.13	6.81	13.3	80.2	119	88.1	78.5	70.7	35.8
<b>Max</b>	73.0	15.3	46.9	45.7	146	130	549	794	321	404	164	104
(WY)	(1976)	(1953)	(1976)	(1984)	(1972)	(1984)	(1943)	(1984)	(1984)	(1964)	(1985)	(1965)
<b>Min</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	1.54	1.00	1.50
(WY)	(1939)	(1939)	(1939)	(1939)	(1939)	(1940)	(1939)	(1941)	(1995)	(1992)	(1918)	(1937)

**13174500 OWYHEE RIVER NEAR GOLD CREEK, NV—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2004</b>		<b>Water Year 2005</b>		<b>Water Years 1916 - 2005</b>	
<b>Annual total</b>	8,377.70		6,242.40			
<b>Annual mean</b>	22.9		17.1		42.7	
<b>Highest annual mean</b>					161	1984
<b>Lowest annual mean</b>					9.95	1992
<b>Highest daily mean</b>	112	Jun 20	107	Sep 1	1,470	May 5, 1922
<b>Lowest daily mean</b>	0.10	Jan 11	0.10	Nov 16	0.00	Mar 19, 1938
<b>Annual seven-day minimum</b>	0.10	Jan 11	0.10	Nov 16	0.00	Mar 19, 1938
<b>Maximum peak flow</b>			114	Sep 2	1,810	May 5, 1922
<b>Maximum peak stage</b>			1.85	Sep 2	10.11	May 5, 1922
<b>Annual runoff (ac-ft)</b>	16,620		12,380		30,900	
<b>10 percent exceeds</b>	72		84		124	
<b>50 percent exceeds</b>	1.9		1.5		6.0	
<b>90 percent exceeds</b>	0.10		0.10		0.00	